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07195538 E.I. No: EIP04538760199  
**Title: System developing and experimental study on automatic transmission intelligent control of construction vehicle**  
Author: Zhu, Zhenyu; Xu, Chunxin; Zhi, Guoping; Hu, Yanchao  
Corporate Source: Coll. of Mech. Sci. and Eng. Jilin Univ., Changchun 130025, China  
Source: Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering v 40 n 10 October 2004. p 97-101  
Publication Year: 2004  
CODEN: CHHKA2 ISSN: 0577-6686  
Language: Chinese

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06271883 E.I. No: EIP03037325755  
**Title: Self-learning approach to automatic transmission shift control in a commercial construction vehicle during the inertia phase**  
Author: Hahn, J.-O.; Hur, J.-W.; Choi, G.-W.; Cho, Y.M.; Lee, K.I.  
Corporate Source: Department of Mechanical Engineering Korea Airforce Academy, Cheongwon-Gun, Chungbook, South Korea  
Source: Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering v 216 n 11 2002. p 909-919  
Publication Year: 2002  
CODEN: PMDEEA ISSN: 0954-4070  
Language: English

**11/3/3 (Item 3 from file: 8)**  
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06058819 E.I. No: EIP02226959520  
**Title: Study on shift schedule and auto-controlling simulation of automatic transmission**  
Author: Gong, Jie; Zhao, Dingxuan  
Corporate Source: Coll. of Mech. Sci. and Eng. Jilin Univ., Changchun 130025, China  
Source: Hsi-An Chiao Tung Ta Hsueh/Journal of Xi'an Jiaotong University v 35 n 9 September 2001. p 930-934  
Publication Year: 2001  
CODEN: HCTPDW ISSN: 0253-987X  
Language: Chinese

**11/3/4 (Item 4 from file: 8)**  
DIALOG(R)File 8:Ei Compendex(R)  
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04289010 E.I. No: EIP95112928859  
**Title: Adaptive shift scheduling strategy introducing neural network in automatic transmission**

Author: Kondo, Kaoru; Goka, Hitoshi  
Corporate Source: Mitsubishi Motors Corp, Kyoto, Jpn  
Source: JSAE Review v 16 n 4 Oct 1995. p 411-414  
Publication Year: 1995  
CODEN: JREVDY ISSN: 0389-4304  
Language: English

**11/3/5 (Item 5 from file: 8)**  
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03974784 E.I. No: EIP94112405061  
**Title: Intelligent control of automatic transmissions using electronics**  
Author: Kucukay, Ferit; Renoth, Friedrich  
Source: ATZ Automobiltechnische Zeitschrift v 96 n 4 Apr 1994. p 228-235  
Publication Year: 1994  
CODEN: AUTZA6 ISSN: 0001-2785  
Language: English

**11/3/6 (Item 1 from file: 94)**  
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06147348 JICST ACCESSION NUMBER: 05A0675100 FILE SEGMENT: JICST-E  
**Introduction of New 5-AT**  
MARUSUE TOSHIHISA (1); ISHIYAMA TAKASHI (1); OYAMA HAJIME (1); HONGAWARA  
NARIHITO (1); IWASHITA NORIO (1); NAKAGISHI MASARU (1); SAKAKI MINJI  
(2)  
(1) Matsuda Doraibutoreinkaihatsubu; (2) Mazda Motor Corp., Technol.  
Center, JPN  
Matsuda Giho(Mazda Technical Review), 2005, NO.23, PAGE.119-124, FIG.14,  
REF.1  
JOURNAL NUMBER: Y0489AAZ ISSN NO: 0288-0601  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
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05055721 JICST ACCESSION NUMBER: 02A0091526 FILE SEGMENT: JICST-E  
**ITS. Development of NAVI AI-SHIFT.**  
INAGAWA TOMOKAZU (1); TOMOMATSU HIDEO (1); TANAKA YOSHIKAZU (1); SHIIBA  
KAZUYUKI (2)  
(1) Toyotajidosha Dainidoraibutorengijutsu; (2) Toyotajidosha  
Daisampawatorenkaihatsubu  
Toyota Tech Rev, 2001, VOL.51,NO.2, PAGE.28-33, FIG.10, REF.1  
JOURNAL NUMBER: F0431ABU ISSN NO: 0916-7501 CODEN: TTERE  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.05  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
MEDIA TYPE: Printed Publication

11/3/8 (Item 3 from file: 94)

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04944304 JICST ACCESSION NUMBER: 01A0632214 FILE SEGMENT: JICST-E

**Development of One-way Clutch-less 5-speed Automatic Transmission.**

KATO SATOSHI (1); MIYAMOTO OSAHIDE (1); SAITO YOSHIHARU (1); TOKUDA MORIAKI

(1); HOTTA TAKASHI (1); SUNADA SATORU (1)

(1) Honda R & D. Co., Ltd., Tochigi Labs.

Jidosha Gijutsukai Gakujutsu Koenkai Maezurishu(Proceedings. JSAE Annual Congress), 2001, NO.29-01, PAGE.13-18, FIG.13, TBL.2, REF.1

JOURNAL NUMBER: S0434AAR ISSN NO: 0919-1364

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

11/3/9 (Item 4 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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04070430 JICST ACCESSION NUMBER: 99A0426468 FILE SEGMENT: JICST-E

**Drivetrain with ITS equipment. Toyota Motor Corp.. (Progres).**

MIYAKOSHI HIRONORI (1); FURUI NOBUYUKI (1); MIYAKOSHI TSUNEO (1); NODA MASAYUKI (1); OSUGI KEIJI (2); MIYAUCHI KUNIHIRO (2)

(1) Toyota Mot. Corp.; (2) Denso

Jidosha Kogaku, 1999, VOL.48,NO.7, PAGE.154-168, FIG.19, TBL.1, REF.3

JOURNAL NUMBER: G0880AAY ISSN NO: 0388-3841

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.04/.06

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

11/3/10 (Item 5 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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03048452 JICST ACCESSION NUMBER: 96A0881356 FILE SEGMENT: JICST-E

**Learning from experiments. Seminar for mechanics in writing on electrical parts. Volume on machining. (6). Usage of an AT shifter.**

FUJISAWA SHUJI (1)

Jidosha Kogaku, 1996, VOL.45,NO.12, PAGE.132-139, FIG.14

JOURNAL NUMBER: G0880AAY ISSN NO: 0388-3841

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.05

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

11/3/11 (Item 6 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02693430 JICST ACCESSION NUMBER: 96A0414231 FILE SEGMENT: JICST-E

**Intelligent PT Management System. Development of AT Intelligent Shift Control Adapted to Driving Environment.**

SHITANI YUJI (1); HARADA SHINGO (1); KYAKUNO TETSUYA (1); TAKABA TETSURO (1); INOUE AKIO (1)

(1) Mazda Mot. Corp.

Matsuda Giho(Mazda Technical Review), 1996, NO.14, PAGE.39-43, FIG.9, REF.4

JOURNAL NUMBER: Y0489AAZ ISSN NO: 0288-0601

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

**11/3/12 (Item 7 from file: 94)**

DIALOG(R)File 94:JICST-Eplus

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02371848 JICST ACCESSION NUMBER: 95A0349629 FILE SEGMENT: JICST-E  
**INVECS-II+ Sport Mode 4AT.MITSUBISHI MOTORS (FTO).**

USUKI KATSUTOSHI (1)

(1) Mitsubishi Mot. Corp.

Jidosha Kogaku, 1995, VOL.44,NO.7, PAGE.256-270, FIG.26, TBL.3

JOURNAL NUMBER: G0880AAY ISSN NO: 0388-3841

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Commentary

MEDIA TYPE: Printed Publication

**11/3/13 (Item 8 from file: 94)**

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02368639 JICST ACCESSION NUMBER: 95A0659350 FILE SEGMENT: JICST-E  
**Advanced Shift Control Technology on Newly-developed Automatictransaxle.**

FUJITA KENJIRO (1); ONISHI TOYOJI (1)

(1) Mitsubishi Mot. Corp.

Jidosha Gijutsukai Gakujutsu Koenkai Maezurishu, 1995, NO.951, PAGE.125-128  
, FIG.11

JOURNAL NUMBER: S0434AAR ISSN NO: 0919-1364

UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

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**11/3/14 (Item 9 from file: 94)**

DIALOG(R)File 94:JICST-Eplus

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02255694 JICST ACCESSION NUMBER: 95A0053542 FILE SEGMENT: JICST-E  
**Adaptive Shift Scheduling Strategy Introduced Neural Network in Automatic Transmission.**

KONDO KAORU (1); GOKA HITOSHI (1); WATANABE SHINJI (2)

(1) Mitsubishi Mot. Corp.; (2) Mitsubishi Electr. Corp.

Jidosha Gijutsukai Gakujutsu Koenkai Maezurishu, 1994, NO.944, PAGE.241-244  
, FIG.15

JOURNAL NUMBER: S0434AAR ISSN NO: 0919-1364  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Conference Proceeding  
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11/3/15 (Item 10 from file: 94)  
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02067731 JICST ACCESSION NUMBER: 94A0597257 FILE SEGMENT: JICST-E  
**Development of A Quick and Accurate DC motor Shifting Device for Automatic Transmissions.**

FURUKAWA TOSHIHARU (1); SHINDO YOSHIO (1); IGUCHI SHIGERU (2)  
(1) Toyota Mot. Corp.; (2) Tokai Rika Co., Ltd.  
Jidosha Gijutsukai Gakujutsu Koenkai Maezurishu, 1994, NO.941, PAGE.117-120  
, FIG.9, REF.2

JOURNAL NUMBER: S0434AAR ISSN NO: 0919-1364  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Conference Proceeding  
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11/3/16 (Item 11 from file: 94)  
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01520399 JICST ACCESSION NUMBER: 92A0333180 FILE SEGMENT: JICST-E  
**Shift Scheduling Method of Automatic Transmission Vehicles Using Fuzzy Logic.**

SAKAGUCHI SHIN'ICHI (1); SAKAI ICHIRO (1); NARASAKA SHIN (1)  
(1) Honda Res. and Development Co., Ltd., Wako Labs.  
Jidosha Gijutsu(Journal of the Society of Automotive Engineers of Japan),  
1992, VOL.46,NO.4, PAGE.10-17, FIG.12, TBL.1, REF.9  
JOURNAL NUMBER: F0387AAJ ISSN NO: 0385-7298  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
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11/3/17 (Item 12 from file: 94)  
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01520398 JICST ACCESSION NUMBER: 92A0333179 FILE SEGMENT: JICST-E  
**An Intelligent Automatic Transmission Control Using a Fuzzy Processor.**  
IKEDA HIROSHI (1); KISU NORIYUKI (1); HIRAMOTO YUKIO (2); TAKAHASHI HIROSHI  
(2); SAKAGAMI SHINSUKE (2)  
(1) Nissan Motor Co., Ltd.; (2) Nissan Motor Co., Ltd.  
Jidosha Gijutsu(Journal of the Society of Automotive Engineers of Japan),  
1992, VOL.46,NO.4, PAGE.5-9, FIG.10, REF.6  
JOURNAL NUMBER: F0387AAJ ISSN NO: 0385-7298  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal  
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01087332 JICST ACCESSION NUMBER: 90A0720650 FILE SEGMENT: JICST-E  
**The development of a 5-speed automatic transmission.**  
IWANAGA KAZUYOSHI (1); KATO YUJI (1); FUKUCHI RENSAKU (1); ISHIZAWA SAKAE  
(1); HATTORI NOBORU (1)  
(1) Nissan Motor Co., Ltd.  
Nissan Giho(Nissan Technical Review), 1989, NO.26, PAGE.61-68, FIG.14,  
TBL.1, REF.1  
JOURNAL NUMBER: S0443AAP ISSN NO: 0385-9266  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
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11/3/19 (Item 14 from file: 94)  
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00906932 JICST ACCESSION NUMBER: 89A0318683 FILE SEGMENT: JICST-E  
**The development of new electronically controlled automatic transaxle.**  
HAYASAKI KOICHI (1); SHIBAYAMA TAKASHI (1); SUZUKI YUTAKA (1); TAKEUCHI JUN  
(1); KOBAYASHI YASUHIKO (1); NAKAZAWA SHINSUKE (1)  
(1) Nissan Motor Co., Ltd.  
Nissan Giho(Nissan Technical Review), 1988, NO.24, PAGE.70-76, FIG.17  
JOURNAL NUMBER: S0443AAP ISSN NO: 0385-9266  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.03 621.83  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
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T S12/3,KWIC/1

12/3,KWIC/1 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
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04070430 JICST ACCESSION NUMBER: 99A0426468 FILE SEGMENT: JICST-E  
Drivetrain with ITS equipment. Toyota Motor Corp.. (Progres).  
MIYAKOSHI HIRONORI (1); FURUI NOBUYUKI (1); MIYAKOSHI TSUNEO (1); NODA  
MASAYUKI (1); OSUGI KEIJI (2); MIYAUCHI KUNIHIRO (2)  
(1) Toyota Mot. Corp.; (2) Denso  
Jidisha Kogaku, 1999, VOL.48,NO.7, PAGE.154-168, FIG.19, TBL.1, REF.3  
JOURNAL NUMBER: G0880AAY ISSN NO: 0388-3841  
UNIVERSAL DECIMAL CLASSIFICATION: 629.33.04/.06  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
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ABSTRACT: The following control functions applied to Toyota Progres are presented: Transmission shifting function controlled by Intelligent Transport Systems (ITS)-based navigation, and radar cruise control function. The former automatically controls gear shifting in automatic transmission in combination with braking control by driver in investigating forward road conditions based on road information and car position information from Global Positioning Systems ( GPS ). The latter accurately maintains proper distances between cars by radar function added on conventional cruise control function. Effectiveness of the functions is exemplified by practical car tests.

...DESCRIPTORS: automatic transmission ...

... control system  
?